

L5 ANSWER 123 OF 182 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1980:111653 CAPLUS
 DN 92:111653
 TI Regeneration of diglycol terephthalate from poly (ethylene terephthalate) waste
 IN Rustagi, Subhash Chandra; Dabholkar, Datta Prasad Achut; Niham, Jai Krishna; Marathe, Madhav Narayan; Iyer, Krishna Balakrishna
 PA Padampat Research Centre, India
 SO Indian, No pp. Given
 CODEN: INXXAP
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	IN 145323	A	19780923	IN 1975-CA1148	19750611
PRAI	GB 1974-26852	A	19740618		
AB	Polymer-grade bis(2-hydroxyethyl) terephthalate (I) [959-26-2] was regenerated from poly(ethylene terephthalate) (II) [25038-59-9] waste in substantial yield by refluxing II waste with ethylene glycol [107-21-1] and a catalyst (e.g., carbonates and acetates of Zn and Ca) for ≤ 3 h, immediately filtering the product, chilling the filtrate to 85-90°, cooling further to room temperature, separating crystals of I by filtration, and recrystg. by dissolving in boiling water, allowing the solution to cool to room temperature, and removing the crystals formed by filtration.				